



December 5, 2001  
Page 1 of 4

Form PTO-1449 U.S. Department of Commerce Patent and Trademark Office  INFORMATION DISCLOSURE STATEMENT BY APPLICANT	Atty. Docket No.	Serial No.
	56353USA1A	09/912,147
	Applicant <b>BARRY S. CARPENTER</b>	
Filing Date	Group	
July 24, 2001	2839	

U.S. PATENT DOCUMENTS

Examiner Initial	Document Number	Date MM/DD/YY	Name	Class	Subclass	Filing Date If Appropriate
MCE	4,119,363	10/10/1978	Camlibel et al.	3050	96.20	
MCE	4,186,995	02/05/1980	Schumacher	350	96.20	
MCE	4,346,294	08/24/1982	Albaugh et al.	250	227	
MCE	4,347,655	09/07/1982	Zory et al.	29	589	
MCE	4,399,453	08/16/1983	Berg et al.	357	81	
MCE	4,399,541	08/16/1983	Kovats et al.	372	36	
MCE	4,413,881	11/08/1983	Kovats	350	96.20	
MCE	4,438,338	03/20/1984	Stitt et al.	250	551	
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MCE	5,050,953	09/24/1991	Anderson et al.	385	89	
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MCE	5,333,225	07/26/1994	Jacobowitz et al.	385	93	
MCE	5,555,330	09/10/1996	Pan et al.	385	39	
MCE	5,761,350	06/02/1998	Koh	385	14	
MCE	5,774,604	06/30/1998	McDonald	385	18	
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MCE	0 010 352	4-30-80	EP			Yes
MCE	0 414 338 A2	2-27-91	EP			Yes
MCE	0 465 230 B 1	5-3-95	EP			Yes
MCE	0 637 765 B1	12-30-98	EP			Yes

OTHER PRIOR ART-NON PATENT LITERATURE DOCUMENTS  
(Including Author, Title, Date, Pertinent Pages, Etc.)

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Page 2 of 4

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MCE	0 762 161 A1	3-12-97	EP			No
MCE	0 852 337 A1	7-8-98	EP			Yes
MCE	0 853 396 A2	7-15-98	EP			Yes
MCE	0 886 144 A1	12-23-98	EP			Yes

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Page 4 of 4

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OTHER PRIOR ART-NON PATENT LITERATURE DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)			
MCZ		Harsh et al., "Flip-Chip Assembly for SI-Based RF MEMS", IEEE Conference on Micromechanical Systems, pp. 273-278 (1999).	
MCZ		Lin et al., "Lightwave Micromachines for Optical Crossconnects".	
MCZ		Lin et al., "High-Density Micromachined Polygon Optical Crossconnects Exploiting Network Connection-Symmetry", 10 IEEE Photonics Technology Letters 1425-1427 (1998).	
MCZ		Fouquet et al., "Compact, Scalable Fiber Optic Cross-Connect Switches", IEEE WDM Components Conference, pp. 59-60 (1999).	
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MCZ		Goldstein et al., "Optical-Mems-Based Tail-End Switching for Restoration of Line-Rate Services", AT&T Labs-Research.	
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MCZ		Ramesham et al., "Challenges in Interconnection and Packaging of Microelectromechanical Systems", IEEE Electronic Components and Technology Conference (2000).	
MCZ		Comtois et al., "Applications for Surface-Micromachined Polysilicon Thermal Actuators and Arrays", 58 Sensors and Actuators 19-25 (1997).	
EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <i>Michael C. Zandi</i> 12/13/02			

Application Number 09/912147

Filing Date July 24, 2001

First Named Inventor Carpenter, Barry S.

Art Unit 2874 2839

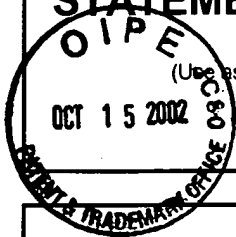
Examiner Name Zarroli

Attorney Case Number 56353US002

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(Use as many sheets as necessary)

Page 1 of 1



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Exam. Init.*	Cite No.	Document Number	Publication Date or Issue Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Doc. Number-(Kind Code if Known)			
MCT	A1	US- 6,021,243	02/01/00	Fasanella et al.	385/46
MCT	A2	US- 6,007,208	12/28/99	Dickensheets et al.	359/872
	A3	US-			
	A4	US-			
	A5	US-			
	A6	US-			
	A7	US-			
	A8	US-			

## Foreign Patent Documents

Exam. Init.*	Cite No.	Foreign Patent Document		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	Translation (Check if yes)
		Ctry. Code	Number-KindCode (if known)				
MCT	B1	EP	0 548 440 A1	06/30/93			
	B2						
	B3						
	B4						
	B5						

## OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS

Exam. Init.*	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published
MCT	C1	Mohr et al., 'MICROOPTICAL DEVICES BASED ON FREE SPACE OPTICS WITH LIGA MICROOPTICAL BENCHES EXAMPLES & PERSPECTIVES', Vol. 2783, pp. 48-54, 1996
	C2	
	C3	

\*Examiner:

Michael C. Zarroli

Date Considered:

12/12/02

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